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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


Application No.: 09/587,076  
Filed: June 2, 2000  
Inventors:  
Traversat et al.

§ Examiner: Chen, Chongshan  
§ Group/Art Unit: 2172  
§ Atty. Dkt. No: 5181-46700  
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Title: DATABASE STORE FOR  
A VIRTUAL HEAP

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Robert C. Kowert

 Feb. 9, 2005  
Signature Date

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of references G17-G27 listed on the Form PTO-1449 are enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
☐ before the mailing date of a first Office Action on the merits; or  
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

- b. ☒ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☒ a fee of \$180.00 is enclosed below.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed below.

2. It is hereby certified:

- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
- ☐ reference is made to the concise explanation set forth below:

5. ☐ Applicant also offers the following comments for the Examiner's consideration:

6. ☐ Also enclosed is a copy of a foreign search report citing these references.

7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

Applicant does not believe that any fees are required relating to this Information Disclosure Statement. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Meyertons, Hood, Kivlin, Kowert & Goetzel PC, Deposit Account No. 50-1505/5181-46700/RCK.

Respectfully submitted,



Robert C. Kowert  
Reg. No. 39,255  
Attorney for Applicant(s)

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Austin, Texas 78767  
(512) 853-8800

Date: Feb 9, 2005

**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)



ATTY. DOCKET NO: 5181-46700

SERIAL NO: 09/587,076

APPLICANT: Traversat et al.

FILING DATE: June 2, 2000

GROUP: 2172

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	G1	6,219,675	4/17/01	Pal et al.			
	G2	5,961,582	10/5/99	Gaines			
	G3	6,093,216	7/25/00	Adl-Tabataba et al.			
	G4	5,327,559	7/5/94	Priven et al.			
	G5	6,009,464	12/28/99	Hamilton et al.			
	G6	6,272,559	8/7/01	Jones et al.			
	G7	5,664,191	9/2/97	Davidson et al.			
	G8	5,845,090	12/1/98	Collins, III et al.			
	G9	6,055,562	4/25/00	Devarakonda et al.			
	G10	5,475,840	12/12/95	Nelson et al.			
	G11	6,292,934	9/18/01	Davidson et al.			
	G12	6,199,116	3/6/01	May et al.			
	G13	6,044,381	3/28/00	Boothby et al.			
	G14	5,913,029	6/15/99	Shostak			
	G15	5,101,346	3/31/92	Ohtsuki			
	G16	6,253,256	6/26/01	Wollrath et al.			
		6,339,783	1/15/02	Horikiri			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

G17	Andrew P. Black, "The Eden Project: Overview and Experiences," EUUG, September 22-25, 1986, (pages 177-189)
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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

**Form PTO-1449** (modified)List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

ATTY. DOCKET NO: 5181-46700

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APPLICANT: Traversat et al.

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**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

G18	Guy T. Almes, "The Evolution of the Eden Invocation Mechanism" Technical Report 83-01-03, January 19, 1983, (15 pages)
G19	Beogle et al., "Transparent Sharing of Java™ Applets: A Replicated Approach", IIST 97 Banff, 1997 (pages 55-64)
G20	Jul et al., "Fine-Grained Mobility in the Emerald System," ACM Transactions on Computer Systems, Vol. 6, No.1, February 1988, (pages 109-133)
G21	Andrew P. Black, "The Eden Programming Language," Technical Report 85-09-01, September, 1985, (19 pages)
G22	Eric Jul, "Object Mobility in a Distributed Object-Oriented System," Department of Computer Science, 1989 (pages 1-155)
G23	Ken Arnold, "The Jini™ Architecture: Dynamic Services in a Flexible Network," ACM 1-58113-109-7/99, June 1999, (7 pages)
G24	Kolodner et al., "Atomic Garbage Collection: Managing a Stable Heap," Laboratory for Computer Science, Massachusetts Institute of Technology, 1989 (pages 15-25)
G25	Oprchal, et al., "Efficient Object Serialization in Java," Department of Electrical and Computer Science, University of Michigan, 1998 (6 pages)
G26	"Class Object Input Stream," Java™ 2 Platform Std. Ed. V.13.1 (18 pages)
G27	"Java™ Object Serilization Specification," Revision 1.43, JDK™ 1.2, November 30, 1998, )pages 1-66)

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